



FIG. 9A

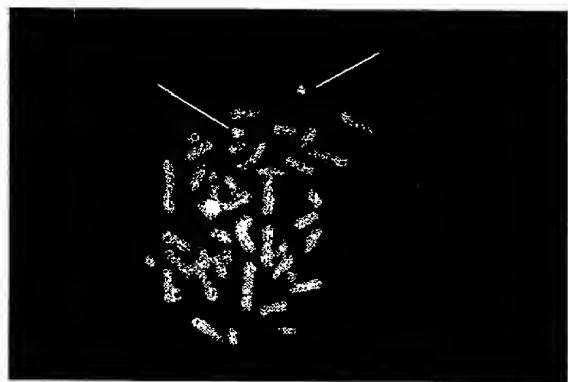


FIG. 9B

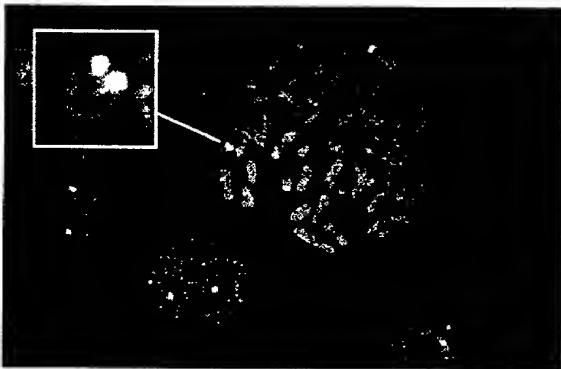


FIG. 9C

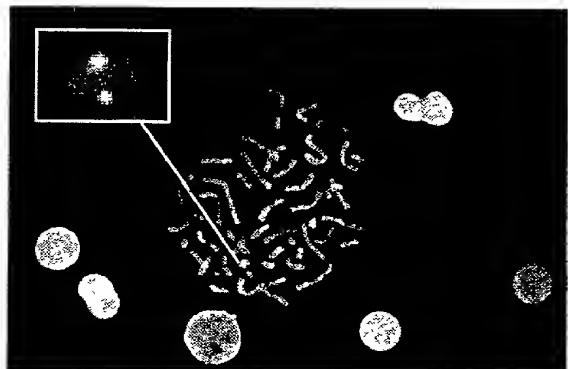


FIG. 9D



FIG. 9E

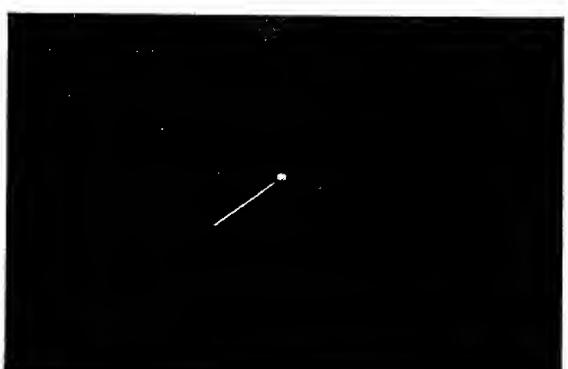


FIG. 9F

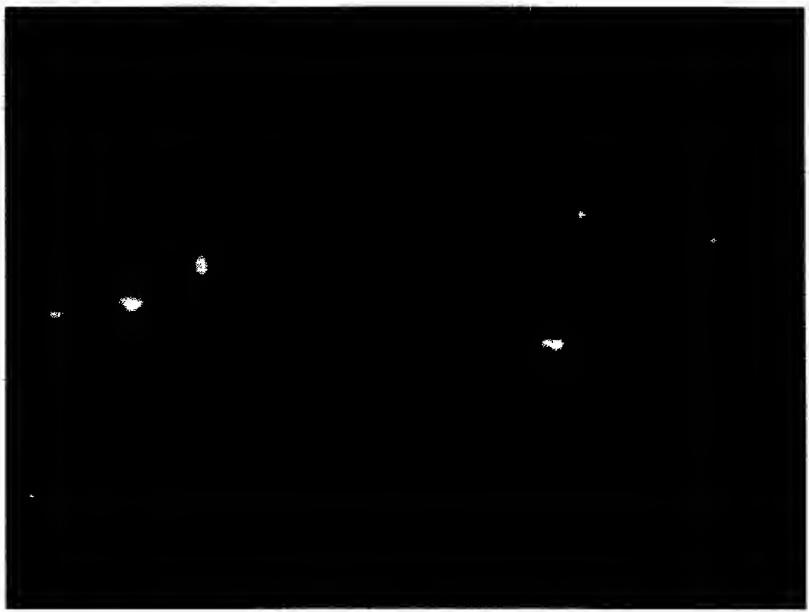


FIG. 10

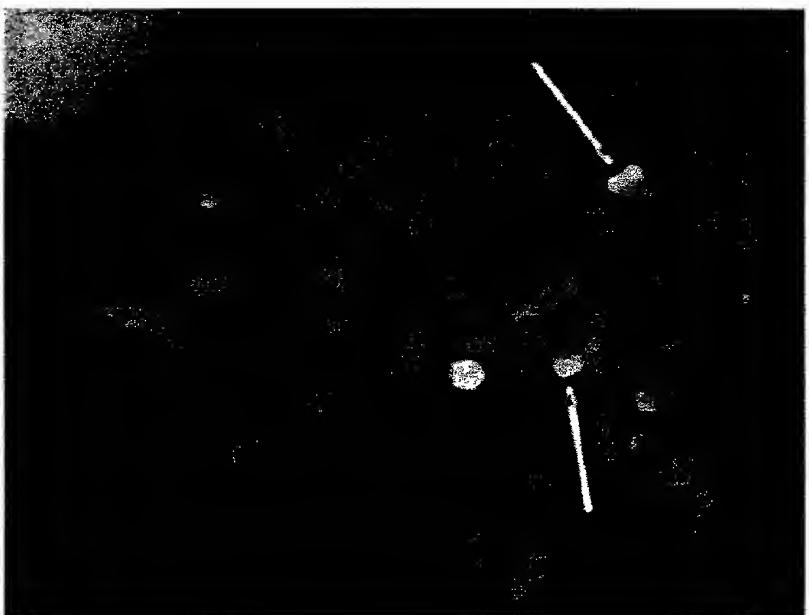


FIG. 12

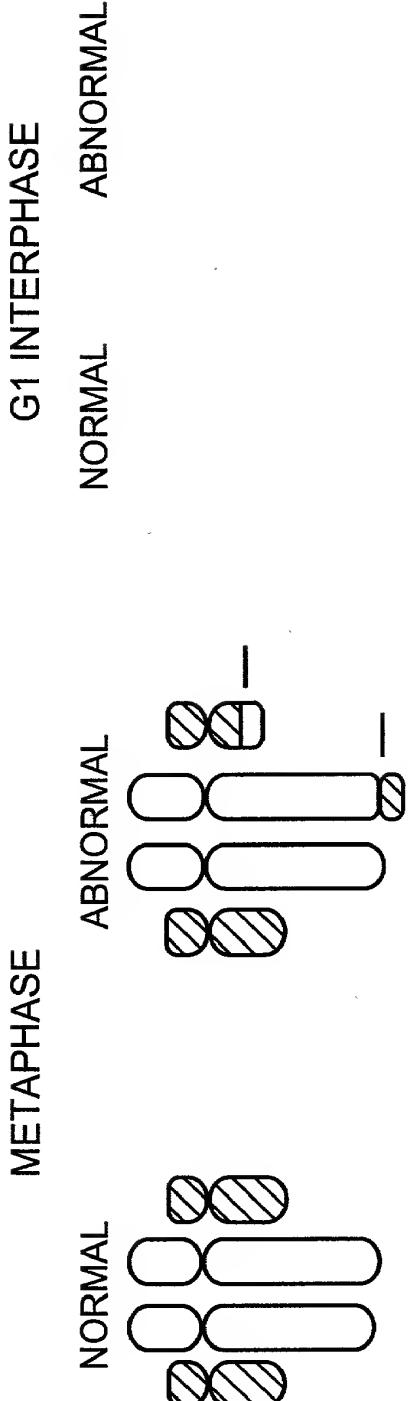


FIG. 11A

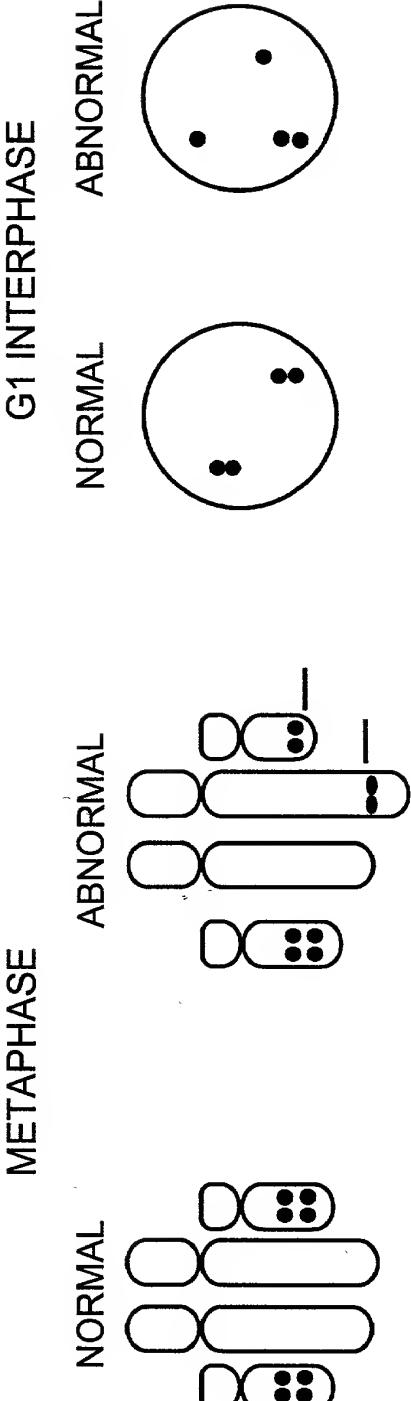


FIG. 11B

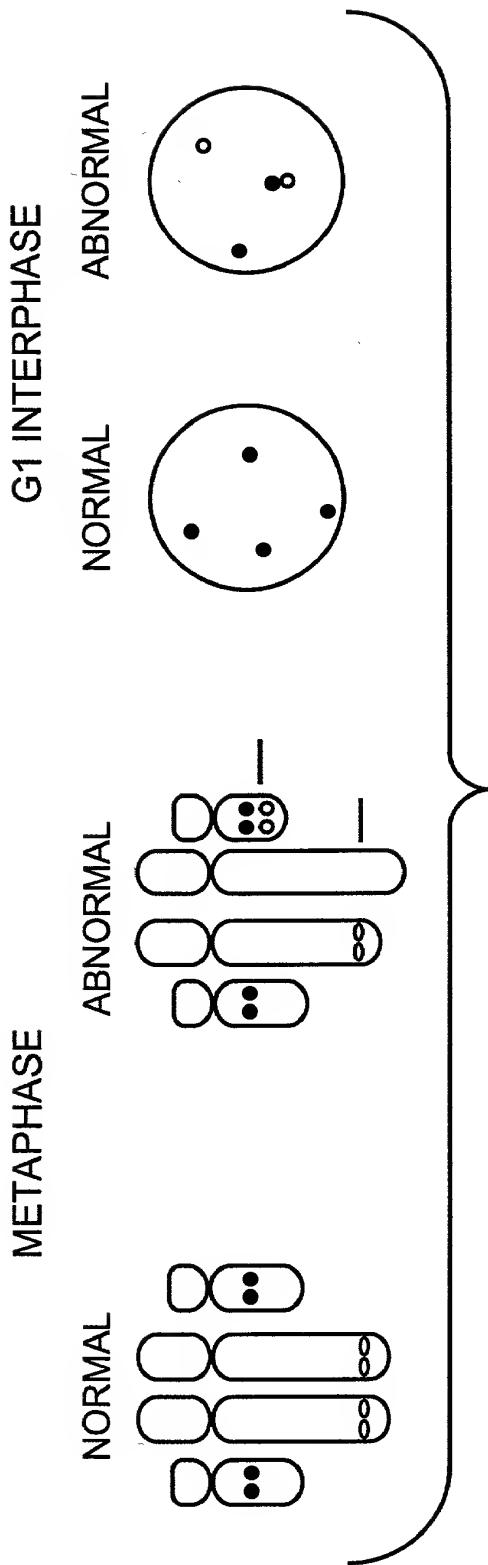


FIG. 11C

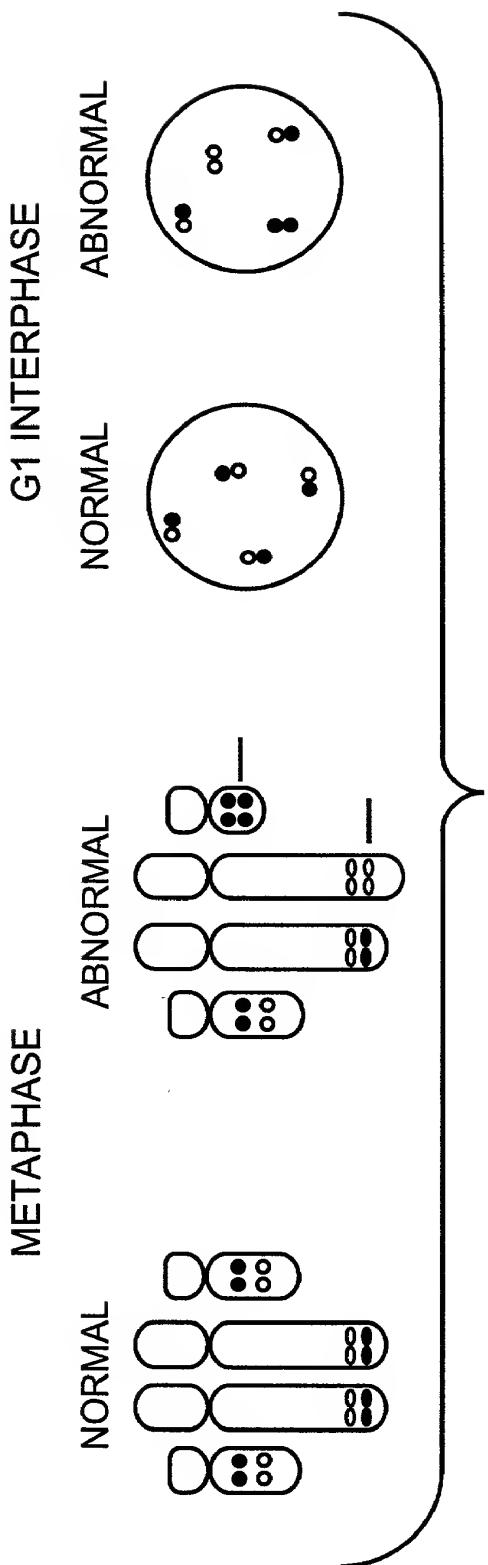


FIG. 11D

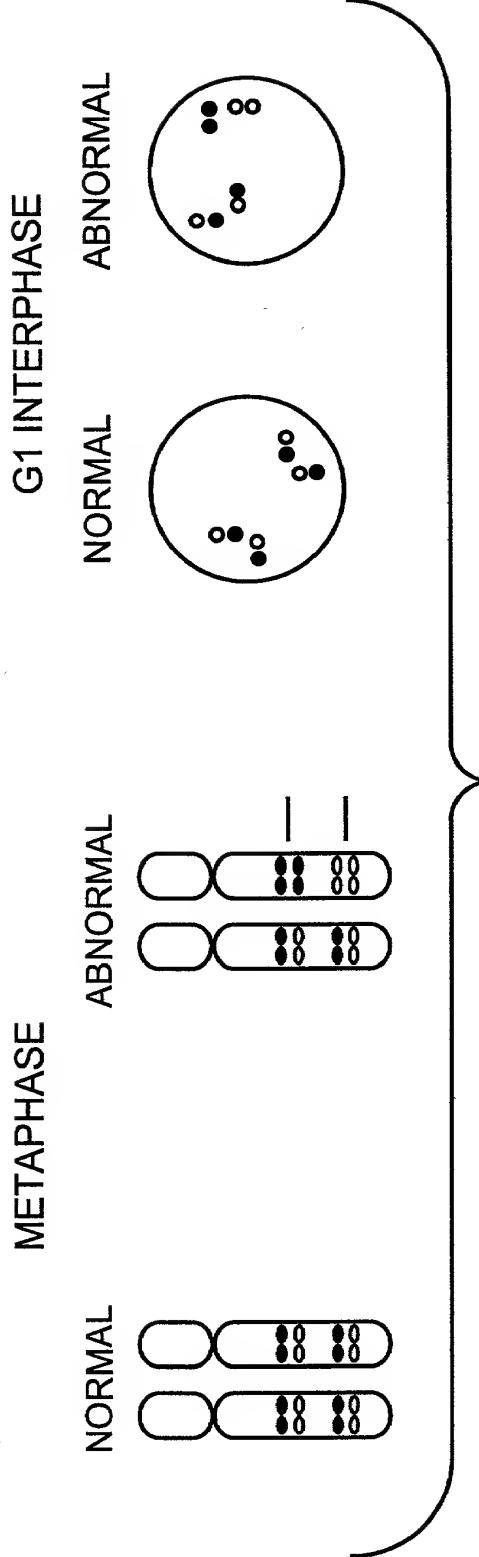


FIG. 11E

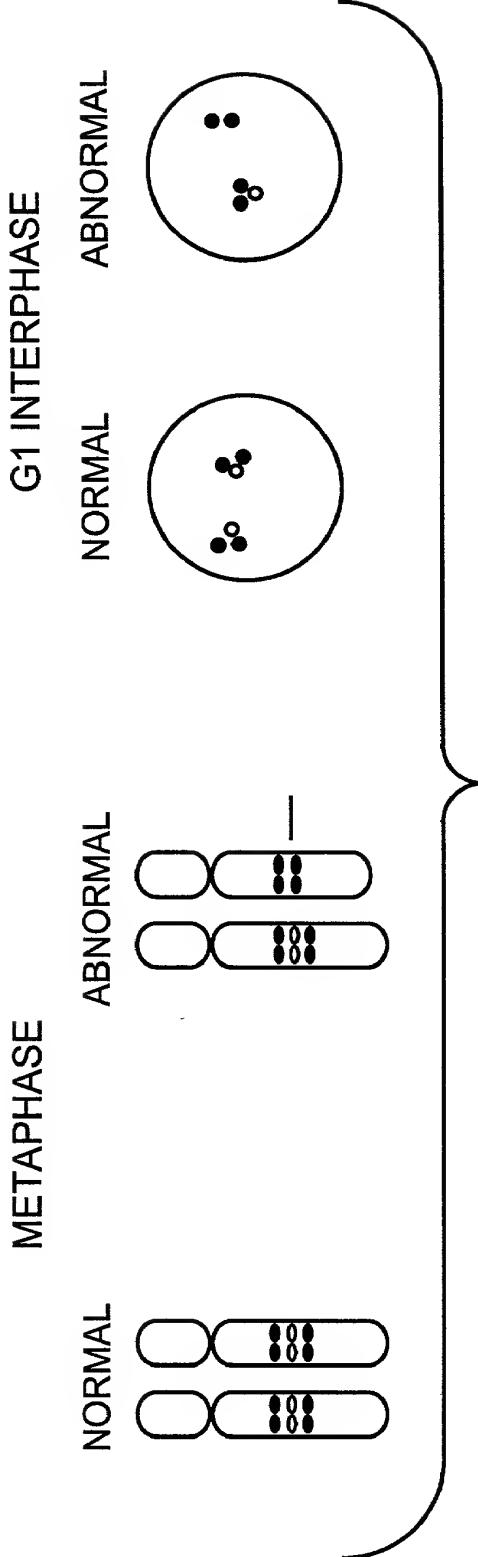


FIG. 11F



FIG. 1A

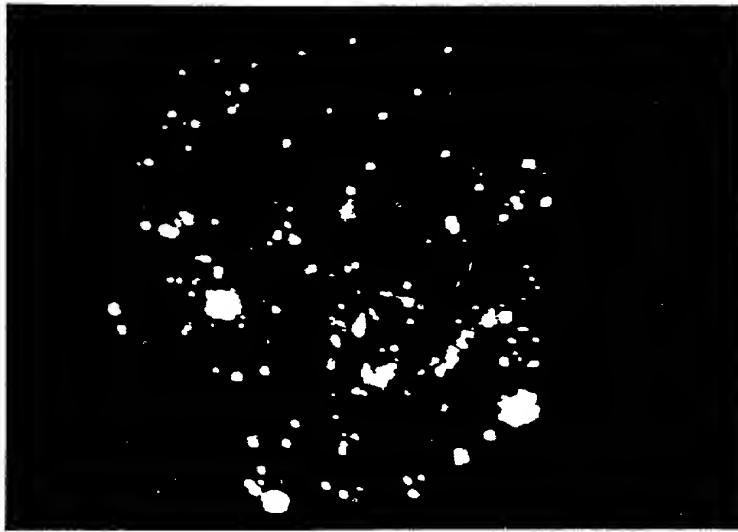


FIG. 1B

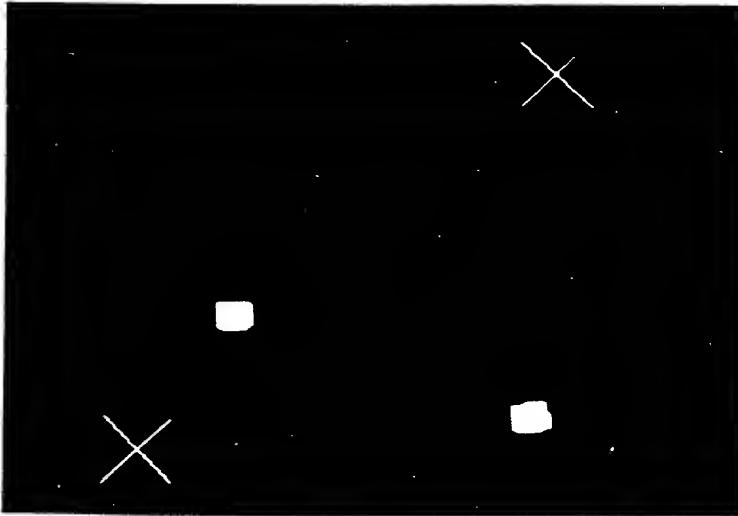


FIG. 1C



FIG. 2A



FIG. 2B

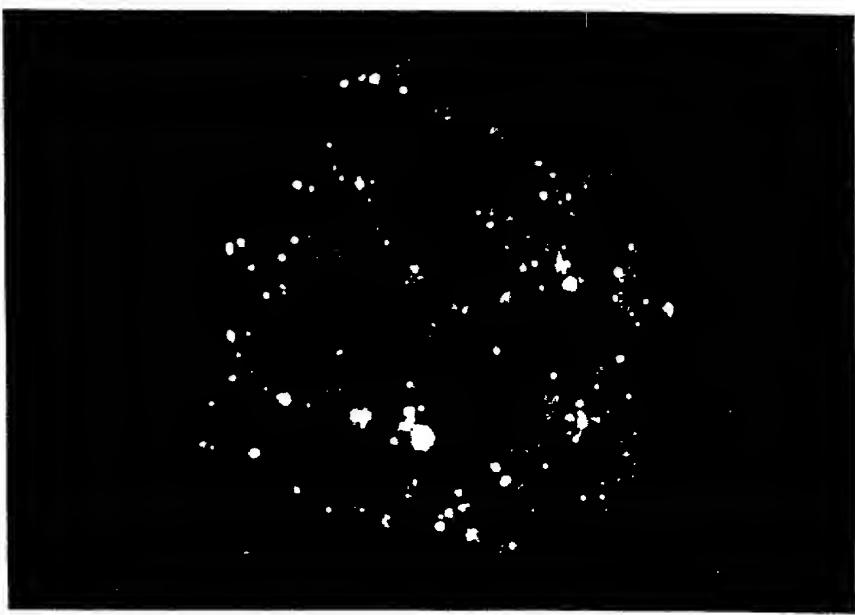


FIG. 3



FIG. 4A



FIG. 4B



FIG. 4C



FIG. 4D



FIG. 4E



FIG. 4F



FIG. 4G



FIG. 4H

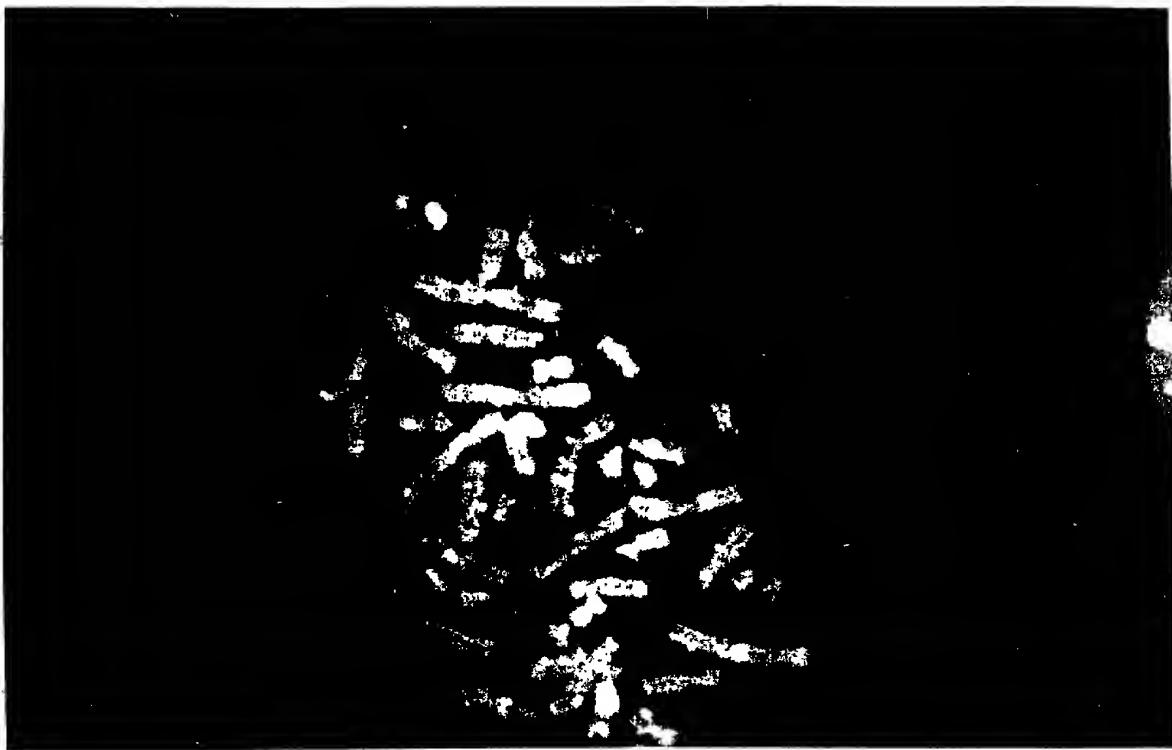


FIG. 5

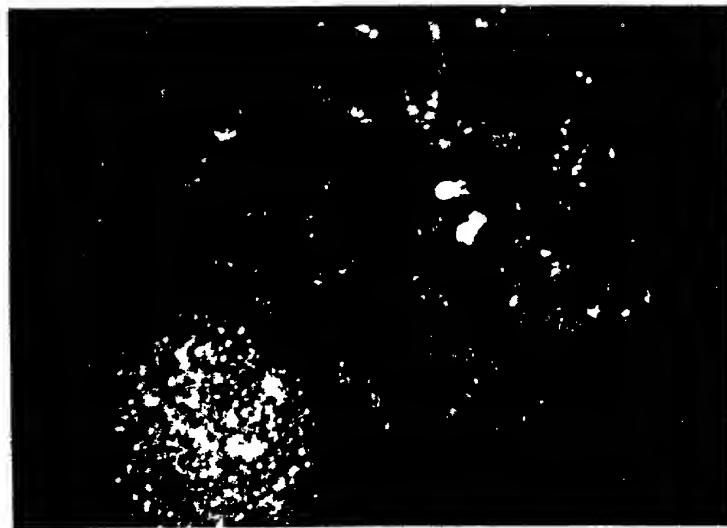


FIG. 6

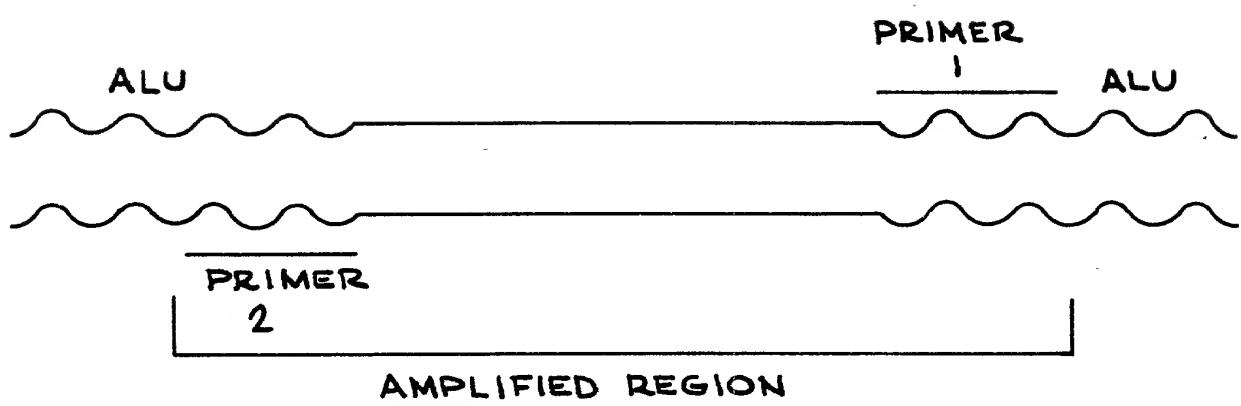


FIG. 7

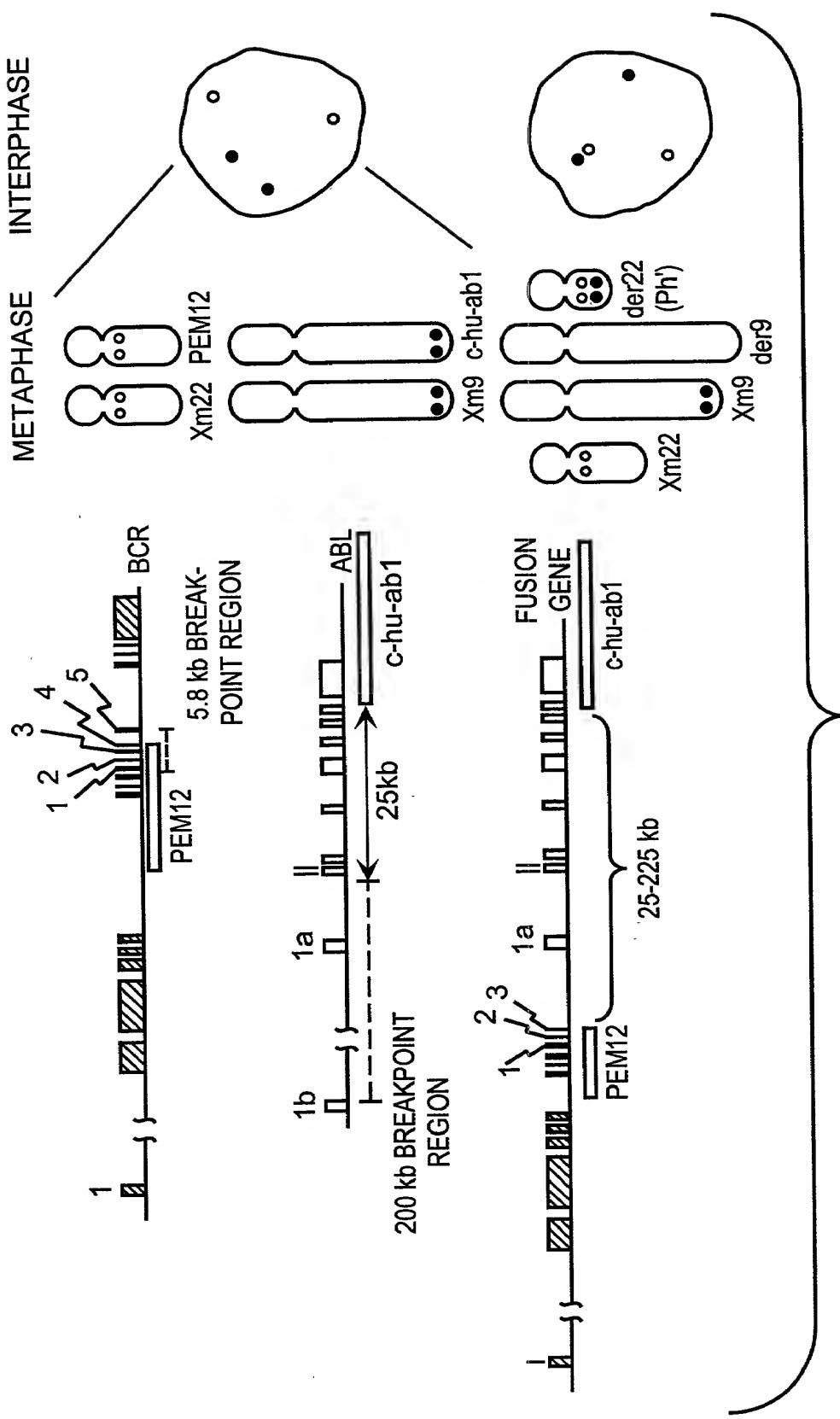


FIG. 8

UNITED STATES PATENT AND TRADEMARK OFFICE
DOCUMENT CLASSIFICATION BARCODE SHEET



Oath/Declaration, Small Entity, and Power of Attorney

8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Group Art Unit: 1807
Joe W. GRAY et al) Examiner: A. Marschel
Serial No. 07/537,305)
Filed: June 12, 1990)
For: CHROMOSOME-SPECIFIC)
STAINING TO DETECT)
GENETIC REARRANGEMENTS)

APPOINTMENT OF ASSOCIATE ATTORNEYS

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

The undersigned principal attorney of record hereby appoints R. Danny Huntington, Reg. No. 27,903, Robert M. Schulman, Reg. No. 31,196 and Donna M. Meuth, Reg. No. P-36,607 as associate attorneys to represent the assignee of the above application in all matters concerning the application and to transact all business in the United States Patent and Trademark Office.

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Date: April 19, 1993

COMBINED DECLARATION AND POWER OF ATTORNEY

As the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next to my (our) name(s).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

CHROMOSOME-SPECIFIC STAINING TO DETECT GENETIC REARRANGEMENTS

the specification of which (check one)

is attached hereto was filed on 06/11/90 as Serial No. 07/537,305
and was amended on _____ (if applicable).

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I (We) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

Priority
claimed

NONE

Number	Country	Filed (Day/Month/Year)	Yes	No
--------	---------	------------------------	-----	----

I (We) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

SEE ATTACHMENT TO COMBINED DECLARATION AND POWER OF ATTORNEY (ATTACHED)

Serial No.	Filing Date	Status
------------	-------------	--------

POWER OF ATTORNEY: As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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I (We) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Residence (City, State Or Foreign Country)	Date
Postal Address (Street, City, State, Zip Code)	Citizenship
XXXXXXXXXXXXXX	XXXXXXXXXXXXXX

ATTACHMENT TO
COMBINED DECLARATION AND POWER OF ATTORNEY

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
497,098	03/20/90	Active
444,669	12/01/89	Active
937,793	12/04/86	Active
819,314	01/16/86	Abandoned
382,094	07/19/89	Active